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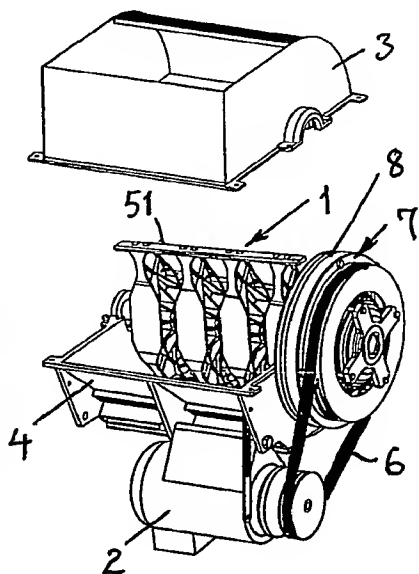
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(54) Title: DISINTEGRATOR WITH POWER TRANSMISSION APPARATUS, AND USE THEREOF



(57) Abstract: An apparatus for disintegrating articles of degradable or non-degradable material, wherein the apparatus has a rotatable knife unit (1) driven by a motor (2), wherein the knife unit blade (51) on rotation of the knife unit in a chamber (4) is designed to move along a chamber wall, and wherein at least a part of the wall has perforations (5). The knife unit (1) is driven by a motor (2) via a mechanical power transmission device (7) which is designed, in the event of a jamming of the knife unit in the chamber or a predetermined working resistance being exceeded, to cause at least partial disconnection of the transmission of power from the device to the knife unit. The power transmission device (7) comprises a flywheel (8) which, in said event of the knife unit jamming or working resistance being exceeded, is at least partly disconnected mechanically from the rotating mass of the knife unit. Operation of the knife unit (1) takes place by means of a motor (2) via the mechanical power transmission device (7) which comprises as part thereof a flywheel (8) and a centrifugal force based clutch mechanism (9) for sudden power engagement with coupling device (10) and thence with the knife unit (1) when the flywheel (8) reaches a predetermined rotational speed.